

# Work Order ID 81079

\*81079\*

Page 1

March-08-12 8:42:08 AM

Item ID: D412-742-013

Accept

\*N900040100\*

Setup Start \*NS1\*

Revision ID:

Stop \*NS2\*

Item Name: Float Skidtube Installation

Start Date: 08/03/2012 Start Qty: 1.00

\*1\*

Cust Item ID:

Required Date: 22/03/2012 Req'd Qty: 1.00

\*1\*

Customer:

Reference:

Approvals: Process Plan: MLJ

Date: 12/03/08 Tooling:

Date:

Run Start \*NR1\*

QC:

Date:

SPC (Y/N):

Date:

Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

IIN D412-742

E

100

0.00

\*100\*

DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D412-742-013 CHG007

JB 8/2/11/18

MLJ 12-4-17

110

Pick Kit

0.00

\*110\*

Packaging

Memo

0.00

Packaging

P

12/04/17 JB

120

QC4- 100% Inspect kits for completeness

0.00

\*120\*

QC

Memo

0.00

Quality Control

8/2/11/18

h

B79960

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 81079****\*81079\***

Page 2

March-08-12 8:42:08 AM

Item ID: D412-742-013

Accept

**\*N900040100\***

Setup Start

**\*NS1\***

Revision ID:

Stop

**\*NS2\***

Item Name: Float Skidtube Installation

Start Date: 08/03/2012 Start Qty: 1.00

**\*1\***

Cust Item ID:

Required Date: 22/03/2012 Req'd Qty: 1.00

**\*1\***

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

**\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop

**\*NR2\***Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

130

0.00

**\*130\***

Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D412-742-013  
Location: \_\_\_\_\_

12/4/18

140

QC21- Final Inspection - Work Order Release

0.00

**\*140\***

QC

Memo

0.00

Quality Control

12/4/19

12-04-19

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Page 1

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\*81079\*

Parent Item: D412-742-013

\*D412-742-013\*

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

## Comments:

IPP Rev: A05.10.13 New Issue KJ/JLM  
 IPP Rev: B 06-06-08 As per DSI9336 JLM IPP Rev: C  
 07-12-03 ECN 1072 DD verified by: JLM  
 IPP Rev: D 08-09-08 ecn 08-510 DD verified by: EC  
 IPP Rev: E 09-01-23 as per DSI9441 DD verified by: EC IPP Rev: F: add  
 AN4C7A DD 10.01.13 verified by: EC IPP Rev: G 11.11.01 as per  
 DSI9517 REV.B DD verified by: EC IPP rev: H 12.01.12 PER IIN  
 REV.E DD VERF:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D412-742-043

Manufactured No

110

Each

0.0000

1

1

\*\*

B 79960 SP

\*D412-742-043\*

Replacement Float Skidtube

D2571

Manufactured No

110

Each

10.0000

1

1

\*\*

81764 20

\*D2571\*

Saddle, Fwd Out 205

## Location

## Loc Qty

## Loc Code

ST

1

11644

1

ST425

-13

ST432

9

78239

1

79425

2

79977

6

ST433

13

D2572

Manufactured No

110

Each

6.0000

1

1

\*\*

81765 20 12/04/12

\*D2572\*

Saddle, Fwd In 205

## Location

## Loc Qty

## Loc Code

ST432

6

71107

2

79978

4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

\*81079\*

\*D412-742-013\*

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

D2573

Manufactured No

110

Each

0.0000

1

1

\*\*

8204820

15

\*D2573\*

Saddle, Aft Out 205

Location

Loc Qty

Loc Code

ST423

-12

79424

0

ST434

12

D2574

Manufactured No

110

Each

0.0000

1

1

\*\*

81220JB

15

\*D2574\*

Saddle, Aft In 205

D2876

Manufactured No

110

Each

103.0000

2

2

\*\*

JB

15

\*D2876\*

Saddle Spacer

Location

Loc Qty

Loc Code

ST020

102

79693

102

ST025

1

76949

1

D2877

Manufactured No

110

Each

53.0000

2

2

\*\*

JB

12/04/17

\*D2877\*

Saddle Spacer

Location

Loc Qty

Loc Code

ST020

53

77052

1

78843

52

78843

March-08-12 8:42:20 AM

Shop Packet Print

Page 2

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DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Parent Item Name: Float Skidtube Installation

\*81079\*

\*D412-742-013\*

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

D3403-1

Manufactured No

110

Each

107.0000

8

8

\*\*

\*D3403-1\*

Bushing

Location

Loc Qty

Loc Code

ST041

15

70696

15

ST042

92

80208

40

80219

52

110

Each

79.0000

8

8

\*\*

D3403-5

Manufactured No

\*D3403-5\*

Bushing

Location

Loc Qty

Loc Code

ST042

79

79740

47

80221

32

110

Each

154.0000

4

4

\*\*

D2747

Manufactured No

\*D2747\*

Set Screw

Location

Loc Qty

Loc Code

ST017

154

77484

54

79520

100

110

Each

98.0000

2

2

\*\*

D3533-1

Manufactured No

\*D3533-1\*

Set Screw

Location

Loc Qty

Loc Code

ST053

90

80326

90

ST054

8

77611

8

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Parent Item: D412-742-013

\*D412-742-013\*

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

AN4C6A

Purchased

No

110

Each

358.0000

16

16

\*\*

\*AN4C6A\*

Bolt

JB

Location

Loc Qty

Loc Code

FG

4

103344

4

ST356

354

116704

7

119749

47

120423

200

120521

100

120521

AN4C53A

Purchased

No

110

Each

6.0000

4

4

\*\*

\*AN4C53A\*

Bolt

121183 JB

Location

Loc Qty

Loc Code

ST361

6

120754

6

AN4C52A

Purchased

No

110

Each

168.0000

4

4

\*\*

\*AN4C52A\*

BOLT

JB 12/15/17

Location

Loc Qty

Loc Code

ST361

168

117688

6

119641

12

120364

100

120465

50

117688

120465

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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March-08-12 8:42:20 AM

Work Order ID: 81079

\*81079\*

Parent Item: D412-742-013

\*D412-742-013\*

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

AN6C12A

Purchased

No

110

Each

48.0000

8

8

\*AN6C12A\*

BOLT

\*\*

6X121302 JB

JP

Location

Loc Qty

Loc Code

ST341

48

119862

-2

120423

50

2X120423

D3672-3

Manufactured

No

110

Each

706.0000

32

32

\*D3672-3\*

Phenolic Washer

\*\*

81870 JB

JP

Location

Loc Qty

Loc Code

ST060

706

64176

180

76278

26

80370

500

AN960C416L

NAS 1149 C0432R

Purchased

No

110

Each

0.0000

32

32

\*AN960C416I \*

WASHER

\*\*

117291 JB

JP

D3672-9

Manufactured

No

110

Each

64.0000

8

8

\*D3672-9\*

Phenolic Washer

\*\*

81763 JB

JP

Location

Loc Qty

Loc Code

ST060

64

35523

64

NAS1149C0632R

Purchased

No

110

Each

75.0000

8

8

\*NAS1149C0632R\*

WASHER

\*\*

JB 12/04/17

JP

Location

Loc Qty

Loc Code

ST297

75

119736

25

120308

50

120308

March-08-12 8:42:20 AM

Shop Packet Print

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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# Picklist Print

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March-08-12 8:42:20 AM

Work Order ID: 81079

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

\*81079\*

\*D412-742-013\*

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 100

D3672-11

Manufactured No

110 Each

411.0000 8 8

\*\*

\*D3672-11\*

Phenolic Washer

Location

Loc Qty

Loc Code

ST060

411

77483

411

77483

MS21043-4

Purchased No

110 Each

1,257.000 29 29

\*\*

\*MS21043-4\*

Nut

Location

Loc Qty

Loc Code

FG

40

104603

40

ST301

1217

119546

435

120308

782

120308

D3591-1

Manufactured No

110 Each

55.0000 2 2

\*\*

\*D3591-1\*

Bushing

Location

Loc Qty

Loc Code

FP

54

77496

14

80377

40

ST055

1

57350

1

D3403-3

Manufactured No

110 Each

58.0000 8 8

\*\*

\*D3403-3\*

Bushing

Location

Loc Qty

Loc Code

ST042

58

80209

6

80220

52

80220

March-08-12 8:42:20 AM

Shop Packet Print

Page 6

# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
12-04-13		permanent change				12-04-13 C		

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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March-08-12 8:42:20 AM

Work Order ID: 81079

\*81079\*

Parent Item: D412-742-013

\*D412-742-013\*

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

S D3405-041  
\*D3405-041\*  
Lug Assembly

Manufactured No

110

Each

4.0000

1

1

\*\*

82031

JB

JD

Location

Loc Qty

Loc Code

ST478

4

62227

2

77000

2

S D3405-043-  
\*D3405-043\*  
Lug Assembly

Manufactured No

110

Each

2.0000

1

1

\*\*

82037

JB

JD

Location

Loc Qty

Loc Code

ST423

2

65703

2

S AN4C7A  
\*AN4C7A\*  
Bolt

Purchased No

110

Each

219.0000

4

4

\*\*

JB JD

Location

Loc Qty

Loc Code

ST356

219

109147

219

S D3407-041  
\*D3407-041\*  
Tow Ring

Manufactured No

110

Each

1.0000

1

1

\*\*

109147

JB

12/04/12

Location

Loc Qty

Loc Code

ST463

1

76991

1

March-08-12 8:42:20 AM

Shop Packet Print

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Parent Item: D412-742-013

\*D412-742-013\*

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

D3417-3

Manufactured No

110

Each

18.0000

2

2

\*\*

80225 JB

SD

\*D3417-3\*

Washer

Location

Loc Qty

Loc Code

FG

9

33519

9

ST042

9

66847

9

D3456-1

Manufactured No

110

Each

89.0000

1

1

\*\*

JB

SD

\*D3456-1\*

Washer

Location

Loc Qty

Loc Code

FG

7

25701

7

ST034

16

77486

16

ST044

66

66848

3

71165

2

73493

11

80252

50

80252

5 AN4C47A x4

121009 JB 12/04/13

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
12/04/13		permanent change				lu 12/04/13	

**Part No:** \_\_\_\_\_ **PAR #:** \_\_\_\_\_ **Fault Category:** \_\_\_\_\_ **NCR:** Yes No **DQA:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Resolution:** \_\_\_\_\_ **Disposition:** \_\_\_\_\_ **QA: N/C Closed:** \_\_\_\_\_ **Date:** \_\_\_\_\_

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Parent Item Name: Float Skidtube Installation

\*81079\*

\*D412-742-013\*

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

AN3C37A

Purchased

No

110

Each

178.0000

1

1

\*\*

\*AN3C37A\*

BOLT

Location

Loc Qty

Loc Code

ST354

178

116874

11

117010

2

118709

15

119324

25

120308

25

120422

50

120731

50

120422

AN3C40A

Purchased

No

110

Each

49.0000

1

1

\*\*

\*AN3C40A\*

BOLT

Location

Loc Qty

Loc Code

ST354

49

112454

5

114442

44

114442

AN3C41A

Purchased

No

110

Each

144.0000

1

1

\*\*

\*AN3C41A\*

BOLT

Location

Loc Qty

Loc Code

FG

4

103324

4

ST354

140

119324

16

119530

44

119673

50

120753

30

121067

JB

12/04/17

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W/O:		WORK ORDER CHANGES					
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Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

AN3C42A

Purchased

No

110

Each

47.0000

1

1

\*\*

\*AN3C42A\*

BOLT

Location

Loc Qty

Loc Code

ST354

47

106176

1

118131

2

119673

19

120464

25

119673

AN3C43A

Purchased

No

110

Each

169.0000

4

4

\*\*

\*AN3C43A\*

BOLT

Location

Loc Qty

Loc Code

ST354

169

114455

2

119673

1

120364

66

120465

100

120364

AN3C46A

Purchased

No

110

Each

85.0000

5

5

\*\*

\*AN3C46A\*

BOLT

Location

Loc Qty

Loc Code

ST355

85

119673

5

120447

60

120755

20

121103

AN960C10L

NAS1149C0332

Purchased

No

110

Each

0.0000

26

26

\*\*

\*AN960C10I \*

washer

121255

12/04/17

March-08-12 8:42:20 AM

Shop Packet Print

Page 10

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Picklist Print

Page 11

March-08-12 8:42:20 AM

Work Order ID: 81079

\*81079\*

Parent Item: D412-742-013

\*D412-742-013\*

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

MS21043-3

Purchased

No

110

Each

999.0000

13

13

\*\*

121255 JB

12/04/17

\*MS21043-3\*

Nut

Location

Loc Qty

Loc Code

FG

72

103691

72

GA

350

120693

350

ST300

84

119901

84

ST301

493

118077

2

118614

441

118686

30

119758

20

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

REFERENCE ONLY

DART AEROSPACE USA, INC.

IIN-D412-742

Page 19 of 21

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043	FLOAT SKIDTUBE
		1	D3391-043	412 FLOAT SKIDTUBE
1		*24	*AN3C4A	*BOLT
3		*10	*AN3C6A	*BOLT
4		*4	*AN3C7A	*BOLT
5		*38	*AN960C10L	*WASHER
21		*1	*D4095-041	*WEARSHOE (REPLACES D3564-1)
22		*1	*D4095-043	*WEARSHOE (REPLACES D3564-3)
23		*1	*D4095-045	*WEARSHOE (REPLACES D3564-5)
10		*1	*D3391-021	*412 FORWARD TUBE
11		**1	**D3401-041	**TOW CAP
12A		**10	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
13		**10	**AN3C4A	**BOLT
14A		**4	**D3672-1	**WASHER (REPLACES NAS1515H3L)
14B		**10	**AN960C10L	**WASHER
24		**1	**D4095-051	**WEARSHOE (REPLACES D3564-13)
20		*1	*D3391-023	*412 MID TUBE
28		**20	**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
30		*1	*D3391-025	*412 AFT TUBE
25		**1	*D4095-049	**WEARPAD (REPLACES D3537-1)
26		**1	*D4095-047	**WEARPAD (REPLACES D3537-7)
31		**1	**D2646	**AFT CAP
32		**14	**AELS-1032-130	**INSERT
36		**8	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A		**6	**AN3C4A	**BOLT
37B		**4	**AN3C5A	**BOLT
38A		**2	**D3672-1	**WASHER (REPLACES NAS1515H3L)
38B		**10	**AN960C10L	**WASHER

(CONTINUED ON PAGE 20)

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Revision: E

Date: 11.10.19

(CONTINUED FROM PAGE 19)

Item	Qty -013	Qty -043	Part Number	Description
40	1		D2571	SADDLE, FWD OUTSIDE
41	1		D2572	SADDLE, FWD INSIDE
42	1		D2573	SADDLE, AFT OUTSIDE
43	1		D2574	SADDLE, AFT INSIDE
44	2		D2876	SADDLE SPACER
45	2		D2877	SADDLE SPACER
46A	8		D3403-1	BUSHING
46B	8		D3403-5	BUSHING
47A	4		D2747	SET SCREW
47B	2		D3533-1	SET SCREW
48	16		AN4C6A	BOLT
49A	4		AN4C52A	BOLT
49B	4		AN4C53A	BOLT
50	8		AN6C12A	BOLT
51A	32		D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32		AN960C416L	WASHER
52A	8		D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8		AN960C616L	WASHER
53	8		D3672-11	WASHER (REPLACES NAS1515H7L)
54	24		MS21043-4	NUT
55	4		AN4C7A	BOLT
56	2		D3591-1	BUSHING
60	8		D3403-3	BUSHING
61	1		D3405-041	GHW LUG
62	1		D3405-043	GHW LUG
63	4		AN4C47A	BOLT
64	4		MS21043-4	NUT
70	1		D3407-041	TOW RING
71	2		D3417-3	WASHER
72	1		MS21043-4	NUT
73	1		D3456-1	WASHER
91	1		AN3C37A	BOLT
92	1		AN3C40A	BOLT
93	1		AN3C41A	BOLT
94	1		AN3C42A	BOLT
95	4		AN3C43A	BOLT
97	5		AN3C46A	BOLT
99	26		AN960C10L	WASHER
100	13		MS21043-3	NUT

\*DENOTES PART IS INCLUDED WITH D3391-043 ASSEMBLY ABOVE

\*\*DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. E  
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 4

REF. FAA STC: SR01583SE  
REF. CANADIAN STC: SH05-37  
REF. EASA STC: EASA.IM.R.S.01126

REFERENCE ON

## PURPOSE

For D412-742-011/-013 Float Skidtube Installations, qty(4) AN4C53A bolts may be replaced with qty(4) AN4C52A bolts. Kits may be supplied from Dart with either AN4C52A or AN4C53A bolts.

Note that it is acceptable to use longer or shorter AN4C bolts than those specified, as long as there is a minimum of 1.5 threads in safety.

## CHANGE

The parts lists of Installation Instructions IIN-D412-742 Rev. E and Instructions for Continued Airworthiness ICA-D412-742 Rev. 4 is amended as follows:

5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (IIN-D412-742)

32.18 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4			AN4C53A OR AN4C52A	BOLT
-----	---	--	--	-----------------------	------

WAS:

49B	4			AN4C53A	BOLT
-----	---	--	--	---------	------

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (IIN-D412-742)

32.19 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4			AN4C53A OR AN4C52A	BOLT
-----	---	--	--	-----------------------	------

WAS:

49B	4			AN4C53A	BOLT
-----	---	--	--	---------	------

A	NEW ISSUE	CP	12.02.28
REV.	DESCRIPTION	BY	DATE
DESIGN	99	DART AEROSPACE USA, INC	
DRAWN	99	KENT, WA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9600	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		BOLT SUBSTITUTION	NTS
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